# HP ProBook 4320s Notebook PC

## Business Style

**Stylish affordability. Choose from two sophisticated color options in a 33,8 cm (13.3") diagonal notebook with advanced multimedia support.**

Windows®. Life without Walls™. HP recommends Windows 7.

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**Stylish design and out of box productivity**
With a starting weight of only 2.02 kg, the HP ProBook 4320s offers refined simplicity in an affordable package. The brushed aluminum finish, available in caviar or bordeaux colors, combines good looks with durability, and includes software such as Face Recognition for easy log-in, and Corel Home Office [1] for office productivity.

**Advanced multimedia support**
Advanced multimedia support includes a choice of discrete graphics featuring the ATI Mobility Radeon™ dedicated video memory. Additionally, the notebook comes loaded with the new ArcSoft TotalMedia Suite that allows you to play, edit and create video and audio files. New "multi-media controls" for video control such as play, rewind, fast-forward are now integrated into keyboard, simplifying work with video and audio files. And experience life in high-definition [2] with the HDMI port that allows you to connect directly to high-definition displays.

**Built to conserve**
HP Power Assistant [3] lets you take control with total visibility over your notebook PCs reported power consumption! This easy-to-use tool allows you to conserve power, stretch battery run-time, accurately monitor your reported power needs and report workforce power consumption.

**Built to simplify**
HP QuickLook 3 [4] provides read and write capability of email, calendar, task and contact information in seconds at the touch of a button, without having to boot up. [4] And HP QuickWeb [5] grants access to the web in seconds… even if your notebook is turned off.

**Built to protect**
The new spill-resistant keyboard with drains helps protect sensitive electronics and key components from minor spills. And HP 3D DriveGuard helps protect your notebook's hard drive against impact or drops using a three-axis accelerometer which detects any sudden movement and initiates protective action, so your critical information is protected.

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THE COMPUTER IS PERSONAL AGAIN.

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## SPECIFICATIONS

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| **Operating system** | **Preinstalled** **Supported**<br>Genuine Windows® 7 Professional 32<br>Genuine Windows® 7 Home Premium 32<br>Genuine Windows® 7 Home Basic 32<br>Genuine Windows® 7 Starter 32<br>SUSE Linux Enterprise 11 |
| **Processor** | Intel® Core™ i3-330M Processor (2.13 GHz, 3 MB L3 cache); Intel® Core™ i3-350M Processor (2.26 GHz, 3 MB L3 cache); Intel® Core™ i3-370M Processor (2.40 GHz, 3 MB L3 cache); Intel® Core™ i5-430M Processor (2.26 GHz, 3 MB L3 cache); Intel® Core™ i5-450M Processor (2.40 GHz, 3 MB L3 cache); Intel® Core™ i5-520M Processor (2.40 GHz, 3 MB L3 cache); Intel® Core™ i5-540M Processor (2.53 GHz, 3 MB L3 cache); Intel® Celeron® Processor P4500 (1.86 GHz, 2 MB L3 cache) |
| **Chipset** | Mobile Intel® HM57 Express |
| **Memory** | 2 SODIMM; Upgradeable to 8 GB |
| **Internal Storage** | SATA II Hard Drive 640 GB (5400 rpm), SATA II Hard Drive 250, 320 or 500 GB (7200 rpm), HP 3D DriveGuard |
| **Upgrade Bay** | Blu-ray ROM DVD+/-RW SuperMulti DL LightScribe; DVD+/-RW SuperMulti DL LightScribe |
| **Display** | 33,8 cm (13.3") diagonal LED-backlit HD Anti-Glare 1366 x 768 or 33,8 cm (13.3") diagonal LED-backlit HD BrightView 1366 x 768 |
| **Graphics** | Intel® HD Graphics (integrated); ATI Mobility Radeon HD 530v with 512 MB dedicated video memory (discrete) |
| **Audio/Visual** | High definition audio support; Integrated stereo speakers; Integrated digital microphone; Stereo headphone/line out; Stereo microphone/line in |
| **Wireless Support** | Atheros 802.11b/g/n; HP Integrated Module with Bluetooth 2.1+EDR Wireless Technology; Ralink 802.11b/g/n Bluetooth 2.1+EDR Combo; HP Mobile Broadband (powered by Gobi™) with GPS |
| **Communications** | Realtek Ethernet (10/100/1000 NIC); Optional 56K v.92 modem |
| **Expansion slots** | 1 Express Card/34; 1 Media Card Reader |
| **Ports and Connectors** | 3 USB 2.0; 1 eSATA/USB 2.0 Combo; 1 external VGA monitor; 1 HDMI; 1 stereo microphone in; 1 stereo headphone/line-out; 1 AC power; 1 RJ-45; 1 RJ-11 (select models) |
| **Input Device** | Full-size spill-resistant keyboard; ClickPad with gestures support: two-finger scroll, zoom, pinch and pivot rotate; 2 MP webcam (select models) |
| **Software** | HP Recovery Manager (available with Windows 7 or Vista only); HP Support Assistant (available with Windows 7 or Vista only); HP ProtectTools Security Manager; HP Face Recognition; HP QuickLaunch Buttons Software; HP QuickLook 3; HP QuickWeb; HP Connection Manager 3.1; HP Wireless Assistant; HP Power Assistant; HP DayStarter; Corel Home Office productivity suite (60-day trial); Roxio Creator Business (select models); ArcSoft Total Media Suite; Microsoft Office Professional 2007 (60-day Convertible Trial) or Microsoft Office 2010 preloaded (purchase of a Product Key required to activate a full Office 2010 suite); McAfee Total Protection (60-day trial period for McAfee Total Protection for Small Business software. Internet access required to receive updates. First update included. Subscription required for updates thereafter); Norton Online Backup (trial); HP Webcam Software (select models); Skype; WinZip 14.5 trial |
| **Security** | HP ProtectTools Security Manager; Face Recognition for HP ProtectTools; One Step Login; Enhanced Pre-Boot Security; HP SpareKey; HP Disk Sanitizer; Setup Password; Kensington Lock Slot; Support for Computrace LoJack Pro for HP ProtectTools |
| **Dimensions** | 32.40 x 22.80 x 2.70 cm |
| **Weight** | Starting at 2.02 kg |
| **Power** | 9-cell (93 WHr) Li-Ion; 6-cell (47 WHr) Li-Ion; 65W Smart AC adapter (integrated); 90W Smart AC adapter (discrete); HP Fast Charge |
| **Battery life** | 9-cell (93 WHr): up to 10 hours (integrated); 9-cell (93 WHr): up to 8 hours (discrete); 6-cell (47 WHr): up to 5 hours (integrated); 6-cell (47 WHr): up to 4 hours (discrete) |
| **Expansion solutions** | HP Basic Adjustable Stand, HP USB 2.0 Docking Station, HP Essential USB 2.0 Port Replicator, HP Dual Hinge Notebook Stand, HP Display & Notebook Stand, HP Adjustable Display Stand, HP Adjustable Dual Display Stand |
| **Warranty** | 1 year carry-in, pick-up and return in some countries (upgrades available, sold separately), 1 year warranty on primary battery |

1 Corel Home Office 60-day trial version included. Functionality is limited afterwards. Full version requires purchase

2 HD content required to view HD images

3 Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time PC is in different power states (on, standby, hibernate, off), time PC is on battery or AC, hardware configuration, variable electricity rates and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at www.epa.gov/egrid/. Regional results will vary

4 HP QuickLook 3 is accessible when the notebook is off in Windows XP or Windows 7-based systems
not supported from hibernation. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use

5 HP QuickWeb is accessible when the notebook is off in Windows XP or Windows 7-based systems
not supported from hibernation. Internet access required. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use.

For more information, please visit **www.hp.com/eur/notebooks**

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## Accessories and Services

### HP Mobile Audio Speakers

Compact and lightweight, HP Mobile Speakers are designed for easy portability and optimal stereo enjoyment of DVDs, CDs and digital audio, producing a rich high quality sound for notebook PC users.

Product number: FS944AA

### HP USB 2.0 Docking Station

Optimizes your workspace by leveraging easy expansion to dual video options and connect to your external monitor and other peripherals like keyboard, mouse, printer etc. through one simple USB 2.0 connection to your notebook.

Product number: FQ834AA

### HP 65W Smart Travel AC Adapter

AC power adapters from HP power your notebook and charge the internal battery simultaneously. These adapters provide you with the ability to power your notebook when away from the office or on the road. The HP 65W Slim Travel Adapter is perfect for international travelers or "road warriors" who are always on the go. The adapter is 40% thinner than the standard 65W adapter and includes a convenient USB port for charging other accessories while you work. Four international adapter plugs help make sure your Slim Travel Adapter works wherever you do. A stylish protective carrying case keeps everything together.

Product number: AU155AA

### HP Notebook Combo Lock

Secure your notebook and docking station with the HP Compaq Notebook Combo Lock.

Product number: AY475AA

### HP Basic Messenger Carrying Case

HP Basic Messenger Carrying Case is great for both students and business professionals. It offers practical features including padded shoulder straps for maximum carrying comfort and a padded protective area to help protect your notebook.

Product number: AP355AA

### 3-year Next Business Day Onsite

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

Product number: UK704E

For more information, please visit **www.hp.com/eur/hpoptions**